

## EAST Search History

Ref #	Hits	Search Query	D8s	Default Operator	Plurals	Time Stamp
L2	151	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5) and hologra\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:03
L3	142	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and hologra\$ and interfer\$ and referenc\$3	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:04
L4	127	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$)) and interfer\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:27
L5	15	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and hologra\$ and interfer\$).clm.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:40
L6	20	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and hologra\$).clm.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:40
S1	54	((359/1).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/04 12:05
S2	59	((359/10).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 13:58
S3	73	((359/11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 14:55
S4	75	((359/22).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:19
S5	39	((359/24).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:29

## EAST Search History

S6	17	((359/28).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:37
S7	42	((359/30).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:39
S8	31	((359/35).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:52
S9	27	((369/44.11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:56
S10	63	((369/44.26).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 15:59
S11	9	((369/102).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:09
S12	81	((369/103).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:12
S13	2	("5416616"   "5636195").PN.	USPAT	OR	ON	2003/02/21 16:20
S14	32	((369/44.37).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:28
S15	14	((369/44.38).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:34
S16	9	((369/106).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:35

## EAST Search History

S17	47	((369/109.01).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:37
S18	10	((369/109.02).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:42
S19	37737	hologra\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 18:49
S20	2354	hologra\$ and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:45
S21	685	(hologra\$ and (phase with modulat\$)) and (position\$ with (region or control\$5))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 17:05
S22	154	((hologra\$ and (phase with modulat\$)) and (position\$ with (region or control\$5))) and (record\$3 or reproduc\$3 or read\$3 or writ\$3) and ((plural\$3 or multiple) with wavelength)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 16:56
S23	430	(hologra\$ and (phase with modulat\$)) and (position\$ with information)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 18:18
S24	163	(hologra\$ and (phase with modulat\$)) and (position\$ with (information or track)) and multiplex\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 18:34
S25	1124	hologra\$ same multiplex\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 18:50
S26	95	(hologra\$ same multiplex\$) and redundan\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 08:59

## EAST Search History

S27	2	jp-10124872-\$.did.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 19:09
S28	2	jp-10302293-\$.did.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/21 19:10
S29	141	sony.as. and hologra\$ and (optic\$2 with information)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 08:05
S30	6256	hologra\$ and (optic\$2 with information)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 08:06
S31	39	(hologra\$ and (optic\$2 with information)) and redundan\$ and parity	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 08:35
S32	150	hologra\$ and redundan\$ and parity	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 08:36
S33	323	hologra\$ and (multiplex\$ with wavelength with (plurality or multiple))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 09:01
S34	100	(hologra\$ and (multiplex\$ with wavelength with (plurality or multiple))) and overlap\$3	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 09:03
S35	2	wo-9702563-\$.did.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 10:38
S36	3233	hologra\$ and (position\$ with information)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 11:01

## EAST Search History

S37	0	(hologra\$ and (position\$ with information)) and (wavelength with multiplex\$ with track\$3)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 11:02
S38	55	(hologra\$ and (position\$ with information)) and (wavelength with multiplex\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/02/24 11:02
S39	226	(359/10).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:41
S40	180	(359/11).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:41
S41	453	(359/22).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S42	249	(359/24).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S43	170	(359/28).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S44	262	(359/30).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S45	254	(359/35).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42

## EAST Search History

S46	3166	(369/44.11).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S47	749	(369/44.26).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S48	99	(369/102).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S49	548	(369/103).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S50	675	(369/44.37).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S51	211	(369/44.38).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S52	120	(369/106).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S53	167	(369/109.01).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S54	77	(369/109.02).CCL.S.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42

## EAST Search History

S55	492	(359/1).CAL.S.	US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 10:42
S56	7210	((359/10).CAL.S.) or ((359/11).CAL.S.) or ((359/22).CAL.S.) or ((359/24).CAL.S.) or ((359/28).CAL.S.) or ((359/30).CAL.S.) or ((359/35).CAL.S.) or ((369/44.11).CAL.S.) or ((369/44.26).CAL.S.) or ((369/102).CAL.S.) or ((369/103).CAL.S.) or ((369/44.37).CAL.S.) or ((369/44.38).CAL.S.) or ((369/106).CAL.S.) or ((369/109.01).CAL.S.) or ((369/109.02).CAL.S.) or ((359/1).CAL.S.)	US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB	OR	ON	2003/10/09 10:43
S57	535	((359/10).CAL.S.) or ((359/11).CAL.S.) or ((359/22).CAL.S.) or ((359/24).CAL.S.) or ((359/28).CAL.S.) or ((359/30).CAL.S.) or ((359/35).CAL.S.) or ((369/44.11).CAL.S.) or ((369/44.26).CAL.S.) or ((369/102).CAL.S.) or ((369/103).CAL.S.) or ((369/44.37).CAL.S.) or ((369/44.38).CAL.S.) or ((369/106).CAL.S.) or ((369/109.01).CAL.S.) or ((369/109.02).CAL.S.) or ((359/1).CAL.S.)) and (phase with modulats\$)	US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB	OR	ON	2003/10/09 10:44
S58	766	(read\$4 or replay\$ or reproduc\$) same (phase with modulats\$ with beam)	US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB	OR	ON	2003/10/09 13:48
S59	212	((read\$4 or replay\$ or reproduc\$) same (phase with modulats\$ with beam)) and hologra\$	US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB	OR	ON	2003/10/09 13:48
S60	2	("5,719,691").PN.	US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 11:58
S61	6	((("3,711,177") or ("3,519,322") or ("3,620,590"))).PN.	US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 11:58
S62	176	(hologra\$ same (read\$4 or replay\$ or reproduc\$)) and (phase with (multiplex\$ or modulats\$)) and slm	US-P6PUB; USPAT; EPO: JPO; DERWENT ; IBM_TDB	OR	ON	2003/10/09 17:10
S63	2	("5111445").PN.	US-P6PUB; USPAT; USOCR; EPO: JPO; DERWENT ; IBM_TDB	OR	OFF	2003/10/09 17:10

## EAST Search History

S64	12	((("4104489") or ("5627664") or ("5740276") or ("3899240") or ("5485312"))).PN.	US-P6PUB; USPAT; USOCR; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/05/04 11:07
S65	394	(((((359/10).CALS.) or ((359/11).CALS.) or ((359/22).CALS.) or ((359/24).CALS.) or ((359/28).CALS.) or ((359/30).CALS.) or ((359/35).CALS.) or ((369/44.11).CALS.) or ((369/44.26).CALS.) or ((369/102).CALS.) or ((369/103).CALS.) or ((369/44.37).CALS.) or ((369/44.38).CALS.) or ((369/106).CALS.) or ((369/109.01).CALS.) or ((369/109.02).CALS.) or ((359/1).CALS.)) and (phase with modulats\$)) and hologra\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/04 11:11
S66	611	hologra\$ and (phase with modulats\$) and ((reflect\$ with (film or layer)) same (substrate or medium or media or crystal))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/04 12:09
S67	79	(hologra\$ and (phase with modulats\$) and ((reflect\$ with (film or layer)) same (substrate or medium or media or crystal))) and ((pick?up or pickup or (pick near3 up)) with optic\$4)\	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/04 12:10
S68	79	(hologra\$ and (phase with modulats\$) and ((reflect\$ with (film or layer)) same (substrate or medium or media or crystal))) and ((pick?up or pickup or (pick near3 up)) with optic\$4)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/04 12:10
S69	162	(hologra\$ and (phase with modulats\$) and ((reflect\$ with (film or layer)) same (substrate or medium or media or crystal))) and ((pick?up or pickup or (pick near3 up) or head) with optic\$4)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 08:24
S70	112	((hologra\$ with (record\$3 or writ\$3 or reproduc\$ or read\$3)) and (phase with modulats\$) and ((reflect\$ near5 (film or layer)) same (substrate or medium or media or crystal))) and ("same" with side)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 08:29
S71	2	("5416616"   "5636195").PN.	USPAT	OR	ON	2004/05/05 09:23
S72	238	(hologra\$ with (record\$3 or writ\$3 or reproduc\$ or read\$3)) and (phase with modulats\$) and ((reflect\$ near5 (film or layer)) same (substrate or medium or media or crystal))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 11:28
S73	792	(hologra\$ with (record\$3 or information) with (medium or media or disc or disk or crystal or substrate or layer)) and phase and ((reflect\$ or mirror?) near5 (film or layer))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 11:31
S74	475	(hologra\$ near3 (record\$3 or information) near3 (medium or media or disc or disk or crystal or substrate or layer)) and phase and ((reflect\$ or mirror?) near5 (film or layer))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 11:32



## EAST Search History

S75	125	((hologra\$ near3 (record\$3 or information) near3 (medium or media or disc or disk or crystal or substrate or layer)) and phase and ((reflect\$ or mirror?) near5 (film or layer)))) and ("same" near5 side)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/05 11:33
S87	2	("5202979").PN.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/08 10:59
S88	0	jp-62024481-\$.did.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:00
S89	70	((359/1).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:16
S90	70	((359/10).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:16
S91	84	((359/11).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S92	90	((359/22).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S93	48	((359/24).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S94	17	((359/28).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S95	46	((359/30).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17

## EAST Search History

S96	51	((359/35).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S97	32	((369/44.11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S98	81	((369/44.26).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S99	9	((369/102).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S100	103	((369/103).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 12:28
S101	39	((369/44.37).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S102	15	((369/44.38).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S103	9	((369/106).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S104	50	((369/109.01).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17
S105	14	((369/109.02).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 11:17

## EAST Search History

S106	1724	(hologra\$ with (writ\$ or record\$4 or stor\$4 or memor\$)) and (reflec\$ with (layer or film)) and phase	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/08 12:29
S107	442	(hologra\$ with (writ\$ or record\$4 or stor\$4 or memor\$)) and (reflec\$ with (layer or film)) and (phase with modulat\$) and (coaxial\$ or collinear\$ or colinear\$ or line)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/09 09:25
S108	2	("3899240").PN.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/09 09:25
S109	76	((359/1).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:56
S110	79	((359/10).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:56
S111	92	((359/11).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:56
S112	98	((359/22).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:56
S113	48	((359/24).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S114	19	((359/28).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S115	49	((359/30).CLS.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57

## EAST Search History

S116	61	((359/35).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S117	34	((369/44.11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S118	94	((369/44.26).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S119	9	((369/102).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S120	45	((369/44.37).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S121	16	((369/44.38).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:57
S122	9	((369/106).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:58
S123	53	((369/109.01).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:58
S124	15	((369/109.02).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 11:58
S125	116	((369/103).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 13:21

## EAST Search History

S126	7944	((359/10).C.A.S.) or ((359/11).C.A.S.) or ((359/22).C.A.S.) or ((359/24).C.A.S.) or ((359/28).C.A.S.) or ((359/30).C.A.S.) or ((359/35).C.A.S.) or ((369/44.11).C.A.S.) or ((369/44.26).C.A.S.) or ((369/102).C.A.S.) or ((369/103).C.A.S.) or ((369/44.37).C.A.S.) or ((369/44.38).C.A.S.) or ((369/106).C.A.S.) or ((369/109.01).C.A.S.) or ((369/109.02).C.A.S.) or ((359/1).C.A.S.)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 14:01
S127	1129	S126 and phase and ((reflect\$ or deflect\$ or mirror) near5 (film or layer or element or coat\$4)) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 17:32
S128	1980	S126 and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 14:06
S129	576	S127 and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 14:30
S130	2	("6744707").PN.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/01/17 14:31
S131	2	("6418095").PN.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2006/01/17 14:31
S132	309	S126 and ((reflect\$ or deflect\$ or mirror) near5 (film or layer or element or coat\$4)) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5) and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$)) and (hologra\$ with (reproduc\$ or recreat\$4 or re?creat\$4)) and interfer\$	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 18:37
S133	11	((reflect\$ or deflect\$ or mirror) near5 (film or layer or element or coat\$4)) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5) and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$)) and (hologra\$ with (reproduc\$ or recreat\$4 or re?creat\$4)) and interfer\$.clm.	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/01/17 18:38
S134	78	((359/1).C.A.S.) and (phase with modulatt\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:23
S135	79	((359/10).C.A.S.) and (phase with modulatt\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:23

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S136	94	((359/11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S137	102	((359/22).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S138	50	((359/24).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S139	19	((359/28).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S140	50	((359/30).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S141	68	((359/35).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S142	38	((369/44.11).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S143	95	((369/44.26).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S144	9	((369/102).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:24
S145	45	((369/44.37).CCL.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25

## EAST Search History

S146	16	((369/44.38).C.A.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S147	9	((369/106).C.A.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S148	53	((369/109.01).C.A.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S149	15	((369/109.02).C.A.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S150	123	((369/103).C.A.S.) and (phase with modulat\$)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S151	8105	((359/10).C.A.S.) or ((359/11).C.A.S.) or ((359/22).C.A.S.) or ((359/24).C.A.S.) or ((359/28).C.A.S.) or ((359/30).C.A.S.) or ((359/35).C.A.S.) or ((369/44.11).C.A.S.) or ((369/44.26).C.A.S.) or ((369/102).C.A.S.) or ((369/103).C.A.S.) or ((369/44.37).C.A.S.) or ((369/44.38).C.A.S.) or ((369/106).C.A.S.) or ((369/109.01).C.A.S.) or ((369/109.02).C.A.S.) or ((359/1).C.A.S.)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S152	1180	S151 and phase and ((reflect\$ or deflect\$ or mirror) near5 (film or layer or element or coat\$4)) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 19:06
S153	600	S152 and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:25
S154	2038	S151 and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 17:26
S155	69	S151 and ((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5)	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/12 19:44

## EAST Search History

S156	124	((spatial\$ or spac\$5) near4 modulat\$) and ((reflect\$ or deflect\$ or mirror) near4 (film or layer or element or coat\$4) near4 medi\$3) and (line or ax?s or axial\$ or coax\$5 or co?ax\$5) and reference and (object or information or signal) and (hologra\$ with (writ\$4 or record\$4 or stor\$4 or memor\$))	US-P6PUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2006/06/13 11:15
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